

Notice of Allowability

Application No.

09/617,440

Examiner

Kwang B. Yao

Applicant(s)

HO ET AL.

Art Unit

2667

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed 9/13/04.
2. ☒ The allowed claim(s) is/are 6-8, 12-14, 22-24, 28-30, renumbered 1-12, respectively.
3. ☒ The drawings filed on 13 September 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

The present invention is directed to a method for setting up a side-stream communication session. Each independent claim identifies the uniquely distinct features: regarding claim 1 (originally filed claim 6), detecting a second Path/Resv message at the DSBM, the second Path/Resv message originating outside the DSBM and requesting a change of at least one QOS parameter value associated with the side-stream session; extracting at the DSBM the changed QOS parameter set and the classifier from the second Path/Resv message for the session; finding at the QME of the PC station the VSID that is associated with the extracted classifier; determining at the QME of the PC station whether to grant the request for change based on the changed QOS parameter set and the channel status report; when the request is not granted, operating the side-stream session according to the QOS parameter set contained in the frame scheduling table in the PC station for the VSS; and when the request is granted, instructing by the QME of the PC station the FSE of the PC station to update the entry in the frame scheduling table corresponding to the VSS by changing at least one QOS parameter value associated with the VSS based on the requested change; regarding claim 4, (originally filed claim 12), detecting a timeout event at the DSBM, the timeout event being triggered by a predetermined length of time elapsing and not receiving one of the first Path/Resv message and the second Path/Resv message for a side-stream session; extracting at the DSBM the classifier from one of the first Path/Resv message and the second Path/Resv message previously received for the side-stream session; finding at the QME of the PC station the VSID that is associated with the extracted classifier; instructing by the QME of the PC station the FSE of the PC station to delete the entry

Art Unit: 2667

corresponding to the VSS in the frame scheduling table; and sending a management frame from the PC station to the non-PC station sourcing the VSS defined by the VSID, the management frame including information relating to a teardown of the VSS; regarding claim 7 (originally filed claim 22), wherein the DSBM detects a second Path/Resv message, the second Path/Resv message originating outside the DSBM and requesting a change of at least one QOS parameter value associated with the side-stream session, the DSBM extracting the changed QOS parameter set and the classifier from the second Path/Resv message for the session; wherein the QME of the PS station finds the VSID that is associated with the extracted classifier, and determines whether to grant the request for change based on the changed QOS parameter set and the channel status report; wherein when the request is not panted, side-stream session is operated according to the QOS parameter set contained in the frame scheduling table in the PC station for the VSS and wherein when the request is granted, the QME of the PC station instructs the FSE of the PC station to update the entry in the frame scheduling table corresponding to the VSS by changing at least one QOS parameter value associated with the VSS based on the requested change; regarding claim 10 (originally filed claim 28), wherein the DSBM detects a timeout event at the DSBM, the timeout event being triggered by a predetermined length of time elapsing and not receiving one of the first Path/Resv message and the second Path/Resv message for a side-stream session, the DSBM extracting the classifier from one of the first Path/Resv message and the second Path/Resv message previously received for the side-stream session; wherein the QME of the PC station finds the VSID that is associated with the extracted classifier, and instructs the FSE of the PC station to delete the entry corresponding to the VSS in the frame scheduling table; and wherein the PC station sends a management frame to the non-PC station sourcing the VSS

Art Unit: 2667

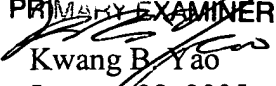
defined by the VSID, the management frame including information relating to a teardown of the VSS. The closest prior art, Donovan, Steven R. (US 6,366,577), Raychaudhuri et al. (US 5,638,371) disclose conventional communication systems, either singularly or in combination, fail to anticipate or render the above features obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kwang B. Yao whose telephone number is 571-272-3182. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi H Pham can be reached on 571-272-3179. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KWANG BIN YAO
PRIMARY EXAMINER

Kwang B. Yao
January 28, 2005